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VERSION WITH MARKINGS TO SHOW CHANGES MADE

2. (Once Amended) Instruments for non invasive measurement of the three-dimensional distribution of the temperatures of the dielectric objects according [the second] to claim 1 characterised by the fact that the maps are supplied as a table.

3. (Once Amended) Instruments for non invasive measurement of the three-dimensional distribution of the dielectric objects according to [the second] claim 2 characterised by the fact that the maps are supplied on a screen.

4. (Once Amended) Instruments for non invasive measurement of the three-dimensional distribution of the temperatures of the dielectric objects according to [the second] claim 2 characterised by the fact that the maps are supplied as thermal maps.

5. (Once Amended) Non invasive measurement methods of the three-dimensional distribution of the temperatures of the dielectric objects using an instrument of the type [described in any of the claims from 12 to 4] according to [the second] claim 1 characterised by the fact that it uses a reconstructive approach of the point like temperatures based on the use of the Raley-Jeans or similar equations, that uses calculus algorithms of the three-dimensional thermal distribution may be based on models in which the link between the emission intensities and the temperature profiles are expressed through Fridgolm integrals equations or by other similar equations.